CLAIMS

sub A2 > 1. A bent glass sheet for a vehicle window, being substantially uniform in thickness and comprising a main surface as a curved surface,

all points on the curved surface having a maximum curvature in a direction of one of two tangent vectors that contact the curved surface and are perpendicular to each other, and having a minimum curvature in the direction of the other of the tangent vectors, wherein

all the points have substantially the same maximum curvature;

a curvature at every point on a curved line formed by crossing the curved surface and a flat plane including a normal vector at one point on the curved surface and a tangent vector providing the maximum curvature at the one point is substantially equal to the maximum curvature; and

the minimum curvature is neither 0 nor equal to the maximum curvature.

2. The bent glass sheet according to claim 1, wherein a curvature at every point on a curved line formed by crossing the curved surface and the flat plane comprising the normal vector at one point on the curved surface and the tangent vector providing the minimum curvature at the one point is substantially equal to the minimum curvature.

3. The bent glass sheet according to claim 1, wherein the bent glass sheet is tempered by quenching after heating.

4. The bent glass sheet according to claim 1, wherein a curvature radius of the curved line as a group of points having the maximum curvature is no less than 500 mm but less than 5000 mm.

5. The bent glass sheet according to claim 2, wherein a curvature radius of the curved line as a group of points having the minimum curvature is from 5000 mm to 50000 mm.

6. The bent glass sheet according to claim 1, wherein the bent glass sheet is obtained by:

heating a glass sheet to a temperature at which the glass sheet becomes shapeable in a furnace;

conveying the glass sheet from the furnace;

pressing the glass sheet together with a belt of a heat-resistant material against a bending member so that the glass sheet is bent in the conveying direction of the glass sheet and also in a direction perpendicular to the conveying direction and the glass sheet has a predetermined curvature in at least the conveying direction; and

cooling the bent glass sheet while the glass sheet is conveyed further on the conveying passage having the predetermined curvature.

SUB A3 7. A bent glass sheet for a vehicle window, the bent glass sheet being uniform in thickness and comprising a main surface as a curved surface,

the main surface being a part of a curved surface formed by a parallel translation of a first curved line that is on a flat plane and convex in one direction,

wherein in the parallel translation the first curved line is translated out of the flat plane so that loci of all points composing the first curved line describe a group of second curved lines having a predetermined radius of curvature, and the second curved lines are substantially parallel to each other and substantially identical in length.

8. The bent glass sheet according to claim 7, wherein the first curved line has a first curvature radius, and the first curvature radius is greater than a second curvature radius that the second curved line has.

9. The bent glass sheet according to claim 8, wherein the first curvature radius ranges from 5000 mm to 50000 mm and the second curvature radius is no less than 500 mm but less than 5000 mm.